INDEX

ADRENAL cholesterol and adrenal weight in rats following stress, factors influencing, 517.
— glycogen in the guinea pig and in the white rat, 15.
— weight and adrenal cholesterol in rats following stress, factors influencing, 517.
ALVISTAR, E. See Hegsted, D. M., 555.
Amino acid supplements, effect of on growth and fat deposition in the livers of rats fed polished rice, 187.
Antibiotic(s), effect of prolonged administration on the weight of healthy young males, 151.
— vitamin B_{12} and cobalt feeding, effect of on the composition of pork tissue of 100-pound pigs, 321.
ARNRICH, L. The effect of hypothyroidism on the metabolism of carotene in dogs, 35.
ASHTON, G. C. See Kline, E. A., 321.
ASLING, C. W. See Nelson, M. M., 349.
Aureomycin, nutritive value of proteins of muscle from hogs fed diets supplemented with, 61.

BACTERIAL method for determining protein digestibility, 437.
BALDRIDGE, R. C. Blood ergothioneine and dietary oats, 107.
BANERJEE, M. See Rohatgi, K., 403.
BANERJEE, S. See Rohatgi, K., 403.
BENTLEY, O. G. See Moinuddin, M., 335.
BENTON, D. A. See Harper, A. E., 187.
BEVERIDGE, J. M. R., W. F. CONNELL, G. A. MAYER, J. B. FIRSTBROOK AND M. S. DEWOLFE. The effects of certain vegetable and animal fats on the plasma lipids of humans, 311.
BLEILER, R. E., D. JOHNSON AND H. T. PARSONS. Metabolism of folic acid and citrovorum factor in human subjects, 163.
Blood ergothioneine and dietary oats, 107.
— hemolysates. The relationship between pyridoxine ingestion and transaminase activity. I., 115.
— pressure and tissue cholesterol following choline deficiency in weanling rats, observations on, 295.
BOLDINGH, J. See Thomasson, H. J., 469.

CALF, acute nicotinic acid deficiency in, production and study of, 303.
CALLOWAY, D. H., AND H. SPECTOR. Nitrogen utilization during caloric restriction. I. The effect of dietary fat content, 533; II. The effect of variation in nitrogen intake, 545.
Caloric restriction, nitrogen utilization during. I. The effect of dietary fat content, 533; II. The effect of variation in nitrogen intake, 545.
Carbohydrate metabolism, relationship to protein metabolism. IV. The effect of substituting fat for dietary carbohydrate, 139.
Carotene, effect of hyperthyroidism on metabolism of in dogs, 35.
CARVALHO DA SILVA, A., R. C. DE ANGELIS, M. A. PONTES AND M. F. MANSUR GUÉRIES. The domestic cat as a laboratory animal for experimental nutrition studies. IV. Folic acid deficiency, 199.
Cat, domestic, as a laboratory animal for experimental nutrition studies. IV. Folic acid deficiency, 199.
CHEUNG, M. W. See Pratt, E. L., 231; Snyderman, S. E., 253.
Chick growth, interrelationship of serine and glycine for, 409.
Cholesterol, adrenal in rats following stress, factors influencing, 517.
— tissue and blood pressure, observations on following choline deficiency in weanling rats, 295.
Choline deficiency in weanling rats, observations on blood pressure and tissue cholesterol following, 295.
— effect of fatty liver of portal type, 95.
— Nutrition studies with the guinea pig. III., 215.
Chromic oxide and titanic oxide as index materials for determining apparent digestibility, comparison of, 265.
Citrovorum factor, metabolism of in human subjects, 163.
CLARK, H. E., D. L. HARRISON, R. P. SOULE, JR. AND D. RICHARDSON. The nutritive value of proteins of muscle from hogs fed diets supplemented with aureomycin or terramycin hydrochloride, 61.
Cobalt, vitamin B_{12} and antibiotic feeding, effect of on the composition of pork tissue of 100-pound pigs, 321.
COLE, E. W. See Mertz, E. T., 437.
COLLAZOS CH., C. See Hegsted, D. M., 555.
Congenital abnormalities resulting from transitory deficiency of pteroylglutamic acid during gestation in the rat, 349.
CONNELL, W. F. See Beveridge, J. M. R., 311.
CRAMPTON, E. W. See Lloyd, L. E., 265.
Cyanocobalamin (vitamin B_{12}), absorption from the gastrointestinal tract of dogs, 67.

DAY, P. L. See Dinning, J. S., 431; Wixom, R. L., 409.
DE ANGELIS, R. C. See Carvalho da Silva, A., 199.
DE GIOVANNI, R. See Shils, M. E., 95.
DEWOLFE, M. S. See Beveridge, J. M. R., 311.
DIAZ, C. See Hegsted, D. M., 555.
Diet(s), all-vegetable, for human adults, lysine and methionine supplementation of, 555.
— maternal, and other factors affecting the lipid content of livers of very young rats, 129.
— wheat and corn, low in tryptophan, niacin requirement in man. II., 371.

Digestibility, apparent, a comparison of titanic oxide and chromic oxide as index materials for determining, 265.
Digestion of proteins *in vivo*, 83.
DINNING, J. S., R. NEATROUR AND P. L. DAY. A biochemical basis for the interrelationship of pantothenic acid and methionine, 431.
DOBSON, D. C. See Scott, M. L., 387.
Dog(s), absorption of cyanocobalamin (vitamin B_{12}) from the gastrointestinal tract of, 67.
— effect of hyperthyroidism on the metabolism of carotene in, 33.
DRAKE, T. G. H. Frederick FitzGerald Tisdall (November 3, 1893–April 23, 1949), 3.
DUMM, M. E., B. LAKEN AND E. P. RALLI. Factors influencing adrenal weight and adrenal cholesterol in rats following stress, 517.

EL RAWI, I. See Geiger, E., 273.
ELVEHJEM, C. A. See Harper, A. E., 187.
Ergothioneine, blood, and dietary oats, 107.
EVANS, H. M. See Nelson, M. M., 349.

FAT absorption in malnutrition and in kwashiorkor, 477.
— composition altered in vitamin E-deficient swine, 173.
— deposition in livers of rats fed polished rice, effect of amino acid supplements on growth and, 187.
— dietary, effect on nitrogen utilization during caloric restriction, 533.
—— influence of on thiamine loss from the body, 495.
— effect of substituting for dietary carbohydrate. The relationship of carbohydrate metabolism to protein metabolism. IV. 139.
— high dietary, enhancement of the toxicity of sodium fluoride in the rat by, 447.
Fats and oils, biological value of. I. Growth and food intake on feeding with natural oils and fats, 455; II. The growth-retarding substance in rapeseed oil, 469.
— vegetable and animal, effect of on the plasma lipids of humans, 311.
Fatty liver of portal type: effects of choline, methionine and vitamin B_{12}, 95.
Feces, bovine, microbiological versus biological vitamin B_{12} activity in, 335.
FIRSTBROOK, J. B. See Beveridge, J. M. R., 311.
Folic acid deficiency. The domestic cat as a laboratory animal for experimental nutrition studies, 199.
—— metabolism in human subjects, 163.
FRAZIER, E. I., M. E. PRATHER AND E. HOENE. Nicotinic acid metabolism in humans. I. The urinary excretion of nicotinic acid and its metabolic derivatives on four levels of dietary intake, 501.

GASTROINTESTINAL tract of dogs, absorption of cyanocobalamin (vitamin B_{12}) from, 67.
GEIGER, E., I. EL RAWI AND H. V. THOMAS. Experiments with intermittent feeding of protein to rats, 273.
Germination, effect of on vitamin B_{12} values of pulses (leguminous seeds), 403.
Gestation in the rat, multiple congenital abnormalities resulting from transitory deficiency of pteroylglutamic acid during, 349.
GIBBENS, J. See Goldsmith, G. A., 371.
Glycine and serine for chick growth, interrelationship of, 409.
Glycogen, adrenal, in the guinea pig and in the white rat, 15.
GOLDSMITH, G. A., H. L. ROSENTHAL, J. GIBBENS AND W. C. UNGLAUB. Studies of niacin requirement in man. II. Requirement on wheat and corn diets low in tryptophan, 371.
GREENBURG, L. D. See Marsh, M. E., 115.
Growth, chick, interrelationship of serine and glycine for, 409.
— and fat deposition in the livers of rats fed polished rice, effect of amino acid supplements on, 187.
— and food intake on feeding with natural oils and fats. The biological value of oils and fats. I., 455.
— and reproduction of rats, effect of malnutrition in early life on subsequent, 25.
— -retarding substance in rapeseed oil. The biological value of oils and fats. II., 469.
Guinea pig, adrenal glycogen in, 15.
—— nutrition studies with. III. Choline, 215.

HAIGHT, T. H., AND W. E. PIERCE. Effect of prolonged antibiotic administration on the weight of healthy young males, 151.
HALVERSON, A. W., C. M. HENDRICK AND O. E. OLSON. Observations on the protective effect of linseed oil meal and some extracts against chronic selenium poisoning in rats, 51.
HAMPTON, J. K., JR. See Rosenthal, H. L., 67.
HANSEN, A. E. See Pratt, E. L., 231; Snyderman, S. E., 253.
HARPER, A. E., M. E. WINJE, D. A. BENTON AND C. A. ELVEHJEM. Effect of amino acid supplements on growth and fat deposition in the livers of rats fed polished rice, 187.
HARRIS, R. See Knudsen, A., 295.
HARRISON, D. L. See Clark, H. E., 61.
HEDIN, P. A., AND M. O. SCHULTZE. Maternal diet and other factors affecting the lipid content of livers of very young rats, 129.
HEGSTED, D. M., M. F. TRULSEN, H. S. WHITE, P. L. WHITE, E. VINAS, E. ALVISTAR, C. DIAZ, J. VASQUEZ, A. LOO, A. ROCA AND C. COLLAZOS CH. Lysine and methionine supplementation of all-vegetable diets for human adults, 555.
HENDRICK, C. M. See Halverson, A. W., 51.
HILL, F. W. See Scott, M. L., 387.
HOEFER, J. A. See Miller, E. R., 423.
HOENE, E. See Frazier, E. I., 501.
Hogs fed diets supplemented with aureomycin or terramycin hydrochloride, nutritive value of proteins of muscle from, 61.
HOLEMANS, K., AND A. LAMBRECHTS, WITH THE TECHNICAL ASSISTANCE OF H. MARTIN. Nitrogen metabolism and fat absorption in malnutrition and in kwashiorkor, 477.
HOLT, L. E., JR., AND S. E. SNYDERMAN. The influence of dietary fat on thiamine loss from the body, 495.
— See Pratt, E. L., 231; Snyderman, S. E., 253.
HOPPER, J. H., AND B. C. JOHNSON. The production and study of an acute nicotinic acid deficiency in the calf, 303.

HOVE, E. L., AND H. R. SEIBOLD. Liver necrosis and altered fat composition in vitamin E-deficient swine, 173.
Human adults, lysine and methionine supplementation of all-vegetable diets for, 555.
Humans, plasma lipids of, effect of certain vegetable and animal fats on, 311.
Hyperthyroidism, effect of on the metabolism of carotene in dogs, 35.

INDEX materials for determining apparent digestibility, a comparison of titanic oxide and chromic oxide as, 265.
Infant, normal, phenylalanine requirement of, 253.
—— threonine requirement of, 231.

JOHNSON, B. C. See Hopper, J. H., 303.
JOHNSON, D. See Bleiler, R. E., 163.

KASTELIC, J. See Kline, E. A., 321.
KLINE, E. A., J. KASTELIC AND G. C. ASHTON. The effect of vitamin B_{12}, cobalt and antibiotic feeding on the composition of pork tissue of 100-pound pigs, 321.
KNUDSEN, A., AND R. HARRIS. Observations on blood pressure and tissue cholesterol following choline deficiency in weanling rats, 295.
Kwashiorkor, nitrogen metabolism and fat absorption in, 477.

LAKEN, B. See Dumm, M. E., 517.
LAMBRECHTS, A. See Holemans, K., 477.
Linseed oil meal, protective effect of against chronic selenium poisoning in rats, 51.
Lipid(s) content of livers of very young rats, maternal diet and other factors affecting, 129.
— plasma, human, effects of certain vegetable and animal fats on, 311.
Liver(s), fatty of portal type, effects of choline, methionine and vitamin B_{12}, 95.
— necrosis and altered fat composition in vitamin E-deficient swine, 173.
— of rats fed polished rice, effect of amino acid supplements on growth and fat deposition in, 187.
— of very young rats, maternal diet and other factors affecting the lipid content of, 129.
LLOYD, L. E., B. E. RUTHERFORD AND E. W. CRAMPTON. A comparison of titanic oxide and chromic oxide as index materials for determining apparent digestibility, 265.
LOO, A. See Hegsted, D. M., 555.
LUECKE, R. W. See Miller, E. R., 423.
Lysine and methionine supplementation of all-vegetable diets for human adults, 555.

MAGNESIUM absorption, vitamin D and, 285.
Malnutrition in early life, effect on subsequent growth and reproduction of rats, 25.
— nitrogen metabolism and fat absorption in, 477.
Man, niacin requirement in, studies of. II. Requirements on wheat and corn diets low in tryptophan, 371.
MANSUR GUÉRIES, M. F. See Carvalho da Silva, A., 199.
MARSH, M. E., L. D. GREENBURG AND J. F. RINEHART. The relationship between pyridoxine ingestion and transaminase activity. I. Blood hemolysates, 115.
MARTIN, H. See Holemans, K., 477.
MAYER, G. A. See Beveridge, J. M. R., 311.
MEINTZER, R. B., AND H. STEENBOCK. Vitamin D and magnesium absorption, 285.
MERTZ, E. T., S. S. RENNERT AND E. W. COLE. A bacterial method for determining protein digestibility, 437.
Metabolism, carbohydrate, relationship to protein metabolism. IV. The effect of substituting fat for dietary carbohydrate, 139.
— of carotene in dogs, effect of hyperthyroidism on, 35.
— of folic acid and citrovorum factor in human subjects, 163.
— nicotinic acid in humans, I. The urinary excretion of nicotinic acid and its metabolic derivatives on four levels of dietary intake, 501.
— nitrogen, and fat absorption in malnutrition and in kwashiorkor, 477.
— protein, relationship of carbohydrate metabolism to. IV. The effect of substituting fat for dietary carbohydrate, 139.
Methionine, effect of on fatty liver of portal type, 95.
— and lysine supplementation of all-vegetable diets for human adults, 555.
— and pantothenic acid, a biochemical basis for the interrelationship of, 431.
MILLER, E. R., D. A. SCHMIDT, J. A. HOEFER AND R. W. LUECKE. The thiamine requirement of the baby pig, 423.
MILLER, R. F., AND P. H. PHILLIPS. The enhancement of the toxicity of sodium fluoride in the rat by high dietary fat, 477.
MOIDNUDDIN, M., AND O. G. BENTLEY. Microbiological versus biological vitamin B_{12} activity in bovine rumen liquor and feces, 335.
MUNRO, H. N. See Thomson, W. S. T., 139.
Muscle from hogs fed diets supplemented with aureomycin or terramycin hydrochloride, nutritive value of proteins of, 61.

NASSET, E. S., P. SCHWARTZ AND H. V. WEISS. The digestion of proteins *in vivo*, 83.
NEATROUR, R. See Dinning, J. S., 431.
Necrosis, liver, and altered fat composition in vitamin E-deficient swine, 173.
NELSON, M. M., H. V. WRIGHT, C. W. ASLING AND H. M. EVANS. Multiple congenital abnormalities resulting from transitory deficiency of pteroylglutamic acid during gestation in the rat, 349.
NELSON, T. S. See Scott, M. L., 387.
Niacin requirement in man, studies of. II. Requirement on wheat and corn diets low in tryptophan, 371.
Nicotinic acid deficiency in the calf, production and study of, 303.
—— metabolism in humans. I. The urinary excretion of nicotinic acid and its metabolic derivatives on four levels of dietary intake, 501.
Nitrogen intake, effect of variation of on nitrogen utilization during caloric restriction, 545.
— metabolism and fat absorption in malnutrition and in kwashiorkor, 477.
— utilization during caloric restriction. I. The effect of dietary fat content, 533; II. The effect of variation in nitrogen intake, 545.
NOBLE, N. L., AND E. PAPAGEORGE. Adrenal glycogen in the guinea pig and in the white rat, 15.

NORRIS, L. C. See Scott, M. L., 387.
NORTON, P. See Pratt, E. L., 231; Snyderman, S. E., 253.
Nutrition, poultry, studies on vitamin E in, 387.
— studies, the domestic cat as a laboratory animal for experimental. IV. Folic acid deficiency, 199.
—— with the guinea pig. III. Choline, 215.
Nutritive value of proteins of muscle from hogs fed diets supplemented with aureomycin or terramycin hydrochloride, 61.

OATS, dietary, and blood ergothioneine, 107.
Oils and fats, biological value of. I. Growth and food intake on feeding with natural oils and fats, 455; II. The growth-retarding substance present in rapeseed oil, 469.
OLSON, O. E. See Halverson, A. W., 51.

PANOS, T. C. See Pratt, E. L., 231; Snyderman, S. E., 253.
Pantothenic acid and methionine, a biochemical basis for the interrelationship of, 431.
PAPAGEORGE, E. See Noble, N. L., 35.
PARSONS, H. T. See Bleiler, R. E., 163.
Phenylalanine requirement of the normal infant, 253.
PHILLIPS, P. H. See Miller, R. F., 477.
PIERCE, W. E. See Haight, T. H., 151.
Pig(s), 100-pound, effect of vitamin B_{12}, cobalt and antibiotic feeding on the composition of pork tissue of, 321.
— thiamine requirement of the baby, 423.
PIPKIN, G. E. See Wixom, R. L., 409.
Plasma lipids of humans, effects of certain vegetable and animal fats on, 311.
Poisoning, chronic selenium in rats, observations on the protective effect of linseed oil meal and some extracts against, 51.
PONTES, M. A. See Carvalho da Silva, A., 199.
Pork tissue of 100-pound pigs, effect of vitamin B_{12}, cobalt and antibiotic feeding on the composition of, 321.
Poultry nutrition, studies on vitamin E in, 387.
PRATHER, M. E. See Frazier, E. I., 501.
PRATT, E. L., S. E. SNYDERMAN, M. W. CHEUNG, P. NORTON, L. E. HOLT, JR., A. E. HANSEN AND T. C. PANOS. The threonine requirement of the normal infant, 231.
PRATT, E. L. See Snyderman, S. E., 253.
Protein(s) digestibility, bacterial method for determining, 437.
— digestion of *in vivo*, 83.
— experiments with intermittent feeding of to rats, 273.
— metabolism, relationship of carbohydrate metabolism to, IV. The effect of substituting fat for dietary carbohydrate, 139.
— of muscle from hogs fed diets supplemented with aureomycin or terramycin hydrochloride, nutritive value of, 61.
Pteroylglutamic acid deficiency during gestation in the rat, multiple congenital abnormalities resulting from transitory, 349.
Pulses (leguminous seeds), effect of germination on vitamin B_{12} values of, 403.
Pyridoxine ingestion and transaminase activity, relationship between. I. Blood hemolysates, 115.

RALLI, E. P. See Dumm, M. E., 517.
Rat(s), adrenal weight and adrenal cholesterol in following stress, factors influencing, 517.
— effect of malnutrition in early life on subsequent growth and reproduction of, 25.
— experiments with intermittent feeding of protein to, 273.
— fed polished rice, effect of amino acid supplements on growth and fat deposition in the livers of, 187.
— multiple congenital abnormalities resulting from transitory deficiency of pteroylglutamic acid during gestation, 349.
— observations on the protective effect of linseed oil meal and some extracts against chronic selenium poisoning in, 51.
— toxicity of sodium fluoride in, enhancement of by high dietary fat, 447.
— very young, maternal diet and other factors affecting the lipid content of livers of, 129.
— weanling, observations on blood pressure and tissue cholesterol following choline deficiency in, 295.
— white, adrenal glycogen in, 15.
REID, M. E. Nutrition studies with the guinea pig. III. Choline, 215.
RENNERT, S. S. See Mertz, E. T., 437.
Reproduction of rats, effect of malnutrition in early life on subsequent growth and, 25.
Rice, polished, effect of amino acid supplements on growth and fat deposition in the livers of rats fed, 187.
RICHARDSON, D. See Clark, H. E., 61.
RINEHART, J. F. See Marsh, M. E., 115.
ROCA, A. See Hegsted, D. M., 555.
ROHATGI, K., M. BANERJEE AND S. BANERJEE. Effect of germination on vitamin B_{12} values of pulses (leguminous seeds), 403.
ROSENTHAL, H. L. See Goldsmith, G. A., 371.
ROSENTHAL, H. L., AND J. K. HAMPTON, JR. The absorption of cyanocobalamin (vitamin B_{12}) from the gastrointestinal tract of dogs, 67.
Rumen liquor, bovine, microbiological versus biological vitamin B_{12} activity in, 335.
RUTHERFORD, B. E. See Lloyd, L. E., 265.

SCHMIDT, D. A. See Miller, E. R., 423.
SCHULTZE, M. O. Effect of malnutrition in early life on subsequent growth and reproduction of rats, 25.
———— See Hedin, P. A., 129.
SCHWARTZ, P. See Nasset, E. S., 83.
SCOTT, M. L., F. W. HILL, L. C. NORRIS, D. C. DOBSON AND T. S. NELSON. Studies on vitamin E in poultry nutrition, 387.
SEIBOLD, H. R. See Hove, E. L., 173.
Selenium poisoning, chronic, in rats, observations on the protective effect of linseed oil meal and some extracts against, 51.
Serine and glycine for chick growth, interrelationship of, 409.
SHILS, M. E., R. DE GIOVANNI AND W. B. STEWART. Fatty liver of portal type: Effects of choline, methionine and vitamin B_{12}, 95.
SNYDERMAN, S. E., E. L. PRATT, M. W. CHEUNG, P. NORTON, L. E. HOLT, JR., A. E. HANSEN AND T. C. PANOS. The phenylalanine requirement of the normal infant, 253.

— See Holt, L. E., Jr., 495; Pratt, E. L., 231.
Sodium fluoride toxicity in the rat, enhancement of by high dietary fat, 447.
SOULE, R. P., JR. See Clark, H. E., 61.
SPECTOR, H. See Calloway, D. H., 533, 545.
STEENBOCK, H. See Meintzer, R. B., 285.
STEWART, W. B. See Shils, M. E., 95.
Swine, vitamin E-deficient, liver necrosis and altered fat composition in, 173.

TERRAMYCIN hydrochloride, nutritive value of proteins of muscle from hogs fed diets supplemented with, 61.
Thiamine loss from the body, influence of dietary fat on, 495.
— requirement of the baby pig, 423.
THOMAS, H. V. See Geiger, E., 273.
THOMASSON, H. J. The biological value of oils and fats. I. Growth and food intake on feeding with natural oils and fats, 455.
— — AND J. BOLDINGH. The biological value of oils and fats. II. The growth-retarding substance in rapeseed oil, 469.
THOMSON, W. S. T., AND H. N. MUNRO. The relationship of carbohydrate metabolism to protein metabolism. IV. The effect of substituting fat for dietary carbohydrate, 139.
Threonine requirement of the normal infant, 231.
TISDALL, FREDERICK FITZGERALD (November 3, 1893 – April 23, 1949), 3.
Titanic oxide and chromic oxide as index materials for determining apparent digestibility, comparison of, 265.
Toxicity of sodium fluoride in the rat, enhancement of by high dietary fat, 447.
Transaminase activity, relationship between pyridoxine ingestion and, I. Blood hemolysates, 115.
TRULSON, M. F. See Hegsted, D. M., 555.
Tryptophan, wheat and corn diets low in. Studies of niacin requirement in man. II., 371.

UNGLAUB, W. C. See Goldsmith, G. A., 371.
Urinary excretion of nicotinic acid and its metabolic derivatives on four levels of dietary intake. Nicotinic acid metabolism in humans. I., 501.

VASQUEZ, J. See Hegsted, D. M., 555.
VINAS, E. See Hegsted, D. M., 555.
Vitamin B_{12} (cyanocobalamin), absorption of from the gastrointestinal tract of dogs, 67.
— activity in bovine rumen liquor and feces, microbiological versus biological, 335.
— cobalt and antibiotic feeding, effect of on the composition of pork tissue of 100-pound pigs, 321.
— effect of on fatty liver of portal type, 95.
— values of pulses (leguminous seeds), effect of germination on, 403.
Vitamin D and magnesium absorption, 285.
Vitamin E-deficient swine, liver necrosis and altered fat composition in, 173.
— in poultry nutrition, studies on, 387.

WEIGHT of healthy young males, effect of prolonged antibiotic administration on, 151.
WEISS, H. V. See Nasset, E. S., 83.
WHITE, E. S. See Hegsted, D. M., 555.
WHITE, P. L. See Hegsted, D. M., 555.
WINJE, M .E. See Harper, A. E., 187.
WIXOM, R. L., G. E. PIPKIN AND P. L. DAY. Interrelationship of serine and glycine for chick growth, 409.
WRIGHT, H. V. See Nelson, M. M., 349.